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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: Wed Oct 24 12:54:29 EDT 2007

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Application No: 10622220 Version No: 2.0

Input Set:

Output Set:

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Finished: 2007-10-05 10:38:13.684
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 553 ms
Total Warnings: 8
Total Errors: 0
No. of SeqIDs Defined: 20
Actual SeqID Count: 20

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SEQUENCE LISTING

<110> Nilles, Matthew L.
Matson, Jyl S.

<120> YERSINIA SPECIES COMPOSITIONS

<130> 3128-6046US

<140> 10622220

<141> 2003-07-18

<150> US 60/444,076

<151> 2003-01-31

<160> 20

<170> PatentIn version 3.2

<210> 1

<211> 87

<212> PRT

<213> Yersinia pestis

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<223> amino acid sequence of YscF

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<223> sequence can be found at MedLine accession number NP_857921.1

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<220>
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20 25 30

Ala Val Asn Asp Ser Ile Ala Ala Leu Lys Asp Thr Pro Asp Asn Pro
35 40 45

Ala Leu Leu Ala Asp Leu Gln His Ser Ile Asn Lys Trp Ser Val Ile
50 55 60

Tyr Asn Met Ser Ser Thr Ile Val Arg Ser Met Lys Asp Leu Met Gln
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Gly Ile Leu Gln Lys Phe Pro
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<211> 80

<212> PRT

<213> Salmonella enterica

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<223> amino acid sequence of PrgI

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Lys Leu Ala Ala Lys Pro Ser Asp Pro Ala Leu Leu Ala Ala Tyr Gln
35 40 45

Ser Lys Leu Ser Glu Tyr Asn Leu Tyr Arg Asn Ala Gln Ser Asn Thr
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Val Lys Val Phe Lys Asp Ile Asp Ala Ala Ile Ile Gln Asn Phe Arg
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<213> Salmonella enterica

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taa 243

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<213> Shigella flexneri

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<223> amino acid sequence of MxiH

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35 40 45

Glu Tyr Gln Ser Lys Leu Ser Glu Tyr Thr Leu Tyr Arg Asn Ala Gln
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Ser Asn Thr Val Lys Val Ile Lys Asp Val Asp Ala Ala Ile Ile Gln
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Asn Phe Arg

<210> 8

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ccttcgaatc cacagttgct ggctgaatac caaagtaaatt tatctgaata tacattatat 180

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aacttcagat aa 252

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<212> PRT

<213> *Escherichia coli*

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<223> amino acid sequence of EscF

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Asp Pro Glu Lys Met Leu Glu Leu Gln Phe Ala Val Gln Gln Tyr Ser
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Ala Tyr Val Asn Val Glu Ser Gly Met Leu Lys Thr Ile Lys Asp Leu
50 55 60

Val Ser Thr Ile Ser Asn Arg Ser Phe

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<210> 11
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 <213> Yersinia pestis

<220>
 <223> nucleic acid encoding HT-YscF; an example of a recombinant YscF

<220>
 <221> misc_feature
 <222> (214)..(237)
 <223> His-tag sequence

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 <213> Yersinia pestis

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 <223> amino acid sequence of HT-YscF; an example of a recombinant YscF

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<221> misc_feature

<222> (88)..(95)

<223> His-tag

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20 25 30

Ala Val Asn Asp Ser Ile Ala Ala Leu Lys Asp Lys Pro Asp Asn Pro
35 40 45

Ala Leu Leu Ala Asp Leu Gln His Ser Ile Asn Lys Trp Ser Val Ile
50 55 60

Tyr Asn Ile Asn Ser Thr Ile Val Arg Ser Met Lys Asp Leu Met Gln
65 70 75 80

Gly Ile Leu Gln Lys Phe Pro Leu Glu His His His His His
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<210> 13

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<212> DNA

<213> Artificial Sequence

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<223> pMJ119

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<223> kan encoded on complementary strand

<220>

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<222> (3518)..(4597)

<223> LacI encoded on complementary strand

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<222> (4983)..(5000)

<223> T7 promoter

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<221> misc_feature

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<223> T7 transcription start

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<223> HT-YscF

<220>
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<223> His-tag sequence

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gac tta atg caa ggc atc cta cag aag ttc cca ctc gag cac cac cac	5389
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